

JIS

JAPANESE INDUSTRIAL STANDARD

Hard drawn steel wire
for prestressed concrete

JIS G 3538—1994

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.



1. Scope This Japanese Industrial Standard specifies the hard drawn steel wires for prestressed concrete (hereafter referred to as "wires") which are applied to the prestressed concrete tanks and pipes being fabricated with steel wires being cold worked.

Remarks: The following standards are cited in this Standard.

JIS G 3506 High carbon steel wire rods

JIS Z 2241 Method of tensile test for metallic materials

2. Types, symbols and designations

2.1 Types and symbols Wires shall be classified into two types and their symbols are as given in Table 1.

Table 1. Types and symbols

Type	Symbol
Round wire	SWCR
Deformed wire	SWCD

2.2 Designations Wires shall be designated as shown in Table 2.

Table 2. Designations

Type	Designation
Round wire and deformed wire	3 mm 3.5 mm 4 mm 4.5 mm 5 mm 6 mm 7 mm 8 mm 9 mm

3. Mechanical properties Mechanical properties of wires shall be tested in accordance with 8.2 and 8.3, and the values conform to Table 3.